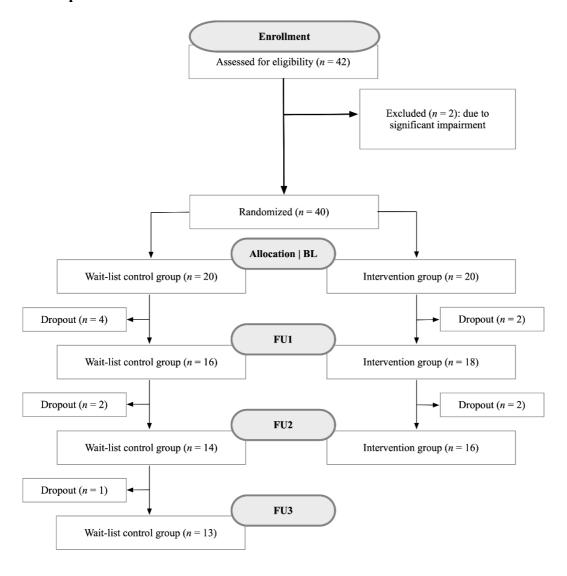
Participant Flow



Note. This study utilized a longitudinal design to observe changes over time. Reasons for dropouts included, for instance, loss of motivation in the training program or rejection of any further thorough neuropsychological assessments.

Baseline Characteristics

Table 1. Baseline demographic and clinical characteristics of post-Covid-19 patients assigned to the control group (CG) and intervention group (IG).

Parameter	Total (<i>n</i> =40)		CG (n=20)		IG (<i>n</i> = 20)		Difference
Parameter	М	SD	М	SD	М	SD	Difference
Age [years]	49.85	8.63	50.15	9.64	49.55	7.73	$M_{\text{diff}} = 0.60, P = .83$
Height [cm]	167.65	7.49	167.50	7.82	167.80	7.73	$M_{\text{diff}} = -0.30, P = .90$
Weight [kg]	79.54	15.05	80.06	13.71	79.02	16.62	$M_{\text{diff}} = 1.04, P = .83$
BMI [kg/m ²]	28.29	5.09	28.61	5.06	27.98	5.24	$M_{\rm diff} = 0.63, P = .70$
	Mdn		Mdn	MR	Mdn	MR	
Education [years]	13.25		13.25	19.08	13.50	21.93	U = 228.50, P = .44
Disease duration [m]	20.	60	22.74	22.43	15.61	18.58	U = 161.50, P = .30
Duration acute infection	1 [6-10	days]	1	18.93	1.50	22.08	U = 168.50, P = .38
Functional status	2	2	2	23.65	0	17.35	U = 137.00, P = .052
	Count	%	Count	%	Count	%	
Sex [female]	32	80.0	16	80.0	16	80.0	$\chi(df=1) = 0.00, P = 1.000$
Vaccination ^a [yes]	20	50.0	10	50.0	10	50.0	$\chi(df=1) = 0.00, P = 1.000$
Hospitalization [yes]	2	5.0	0	0.0	2	10.0	Fisher's Exact Test: $P = .49$
Pre-existing condition [yes]	24	60.0	15	75.0	9	45.0	$\chi(df=1) = 3.75, P = .053$

Note. aVaccination before infection. Significance tests compare the control group (CG) against the intervention group (IG). m = months.

Primary outcome measures

Supplement Table 2. Results of the 2x3 ANCOVAs. Presented is the significance of the group (2 levels: control group, intervention group) x time (3 levels: BL, FU1, FU2) interaction effect to evaluate the efficacy of a three-month tablet-based training program for post-Covid-19 patients.

Domain	Subtest	n	F	df	Error df	P	η_p^2
	Digit span forward ^a	30	6.11	2	50	.004	.196
Attention	Digit span backwarda	30	0.85	2	50	.43	.033
	TMT-A [time] ^b	30	1.95	2	52	.15	.070
	Planning ^c	30	1.94	2	52	.15	.069
Executive function	Categories ^a	30	2.04	2	50	.14	.076
	TMT-B [time] ^a	30	1.16	2	50	.32	.044
	Immediate recall (A) ^a	30	0.28	1.53	38.36	.70	.011
Memory	Immediate recall (B) ^a	30	1.88	2	50	.16	.070
	Short-delayed recall ^b	30	0.02	2	52	.98	.001
	Long-delayed recall ^b	30	0.35	1.56	40.57	.66	.013
Word fluency	Formal-lexical ^b	30	0.34	2	52	.71	.013
	Semantic ^c	30	0.71	2	52	.50	.027
Global cognition	MoCA ^c	30	2.44	2	52	.10	.086
	MoCA memory index ^a	30	2.25	2	50	.12	.083
Subjective Cognitive Complaints	FSKB [QPC] ^a	30	2.11	2	50	.13	.078
Fatigue	FISD total ^b	27	1.86	2	46	.17	.075
Depression	ADS ^a	30	2.01	2	50	.15	.074
	HADS-D ^c	30	0.96	2	52	.39	.036
Anxiety	HADS-A ^a	30	0.25	2	50	.78	.010
Quality of Life	WHOQoL-Physical ^a	30	1.82	1.45	36.18	.18	.068
Quality of Life	WHOQoL-Psychological ^a	30	1.92	2	50	.16	.071

Note. ^aall covariates included as assumptions were met, ^b sex excluded as a covariate, ^c education excluded as a covariate. Significant results are highlighted in bold.

Table 2. Results of the 2x2 ANCOVAs. Presented is the significance of the group (2 levels: control group, intervention group) x time (2 levels: BL, FU1) interaction effect to evaluate the

efficacy of a three-month tablet-based training program for post-Covid-19 patients.

Digit span forward ^a Digit span backward ^b TMT-A ^c Planning ^b	34 34 34	5.10	1 1	29 30	.03	.150
Digit span backward ^b TMT-A ^c	34	0.00				.15
TMT-A ^c	_		1	20		
	34	0.10		30	.97	.00
Planning b		0.12	1	30	.73	.00
	34	3.74	1	30	.06	.11
Categories ^a		2.12	1	29	.16	.06
TMT-B ^d	34	0.10	1	30	.76	.00
Immediate recall (A) ^a	34	0.19	1	29	.67	.00
Immediate recall (B) ^a		2.93	1	29	.10	.09
Short-delayed recall ^a		0.24	1	29	.63	.00
Long-delayed recall ^a	34	0.02	1	29	.89	.00
Formal-lexical ^a	34	0.71	1	29	.41	.02
Semantic ^a	34	2.05	1	29	.16	.06
MoCA ^a	34	2.16	1	29	.15	.06
MoCA Memory Index ^a		6.40	1	29	.02	.18
ECKD (ODC)	2.4	£ 02	1	20	02	1,
FSKB [QPC] "	34	5.85	1	29	.02	.16
FISD total ^a	31	0.06	1	26	.81	.00
ADSL b	34	5.57	1	30	.03	.1:
HADS-D ^b	34	0.98	1	30	.33	.03
HADS-A ^a		1.07	1	29	.31	.03
WHOQoL-Physical a		1.65	1	29	.21	.0.
WHOQoL-Psychological b	34	0.14	1	30	.71	.00
	Categories a TMT-B d Immediate recall (A) a Immediate recall (B) a Short-delayed recall a Long-delayed recall a Formal-lexical a Semantic a MoCA a MoCA Memory Index a FISD total a ADSL b HADS-D b HADS-A a WHOQoL-Physical a	Categories a 34 TMT-B d 34 Immediate recall (A) a 34 Immediate recall (B) a 34 Short-delayed recall a 34 Long-delayed recall a 34 Formal-lexical a 34 Semantic a 34 MoCA a 34 MoCA Memory Index a 34 FISD total a 34 FISD total a 31 ADSL b 34 HADS-D b 34 HADS-A a 34 WHOQoL-Physical a 34	Categories a 34 2.12 TMT-B d 34 0.10 Immediate recall (A) a 34 0.19 Immediate recall (B) a 34 2.93 Short-delayed recall a 34 0.24 Long-delayed recall a 34 0.02 Formal-lexical a 34 0.71 Semantic a 34 2.05 MoCA a 34 2.16 MoCA Memory Index a 34 6.40 FSKB [QPC] a 34 5.83 FISD total a 31 0.06 ADSL b 34 5.57 HADS-D b 34 0.98 HADS-A a 34 1.07 WHOQoL-Physical a 34 1.65	Categories a 34 2.12 1 TMT-B d 34 0.10 1 Immediate recall (A) a 34 0.19 1 Immediate recall (B) a 34 2.93 1 Short-delayed recall a 34 0.24 1 Long-delayed recall a 34 0.02 1 Formal-lexical a 34 0.71 1 Semantic a 34 2.05 1 MoCA a 34 2.16 1 MoCA Memory Index a 34 6.40 1 FISD total a 31 0.06 1 ADSL b 34 5.57 1 HADS-D b 34 0.98 1 HADS-A a 34 1.07 1 WHOQoL-Physical a 34 1.65 1	Categories a 34 2.12 1 29 TMT-B d 34 0.10 1 30 Immediate recall (A) a 34 0.19 1 29 Immediate recall (B) a 34 2.93 1 29 Short-delayed recall a 34 0.24 1 29 Long-delayed recall a 34 0.02 1 29 Formal-lexical a 34 0.71 1 29 Semantic a 34 2.05 1 29 MoCA a 34 2.16 1 29 MoCA Memory Index a 34 6.40 1 29 FISD total a 34 5.83 1 29 FISD total a 34 5.83 1 29 FISD total a 34 5.57 1 30 HADS-D b 34 0.98 1 30 HADS-A a 34 1.07 1 29 WHOQoL-Physical a 34 1.65 1 29	Categories a 34 2.12 1 29 .16 TMT-B d 34 0.10 1 30 .76 Immediate recall (A) a 34 0.19 1 29 .67 Immediate recall (B) a 34 2.93 1 29 .10 Short-delayed recall a 34 0.24 1 29 .63 Long-delayed recall a 34 0.02 1 29 .89 Formal-lexical a 34 0.71 1 29 .41 Semantic a 34 2.05 1 29 .16 MoCA a 34 2.16 1 29 .15 MoCA Memory Index a 34 6.40 1 29 .02 FSKB [QPC] a 34 5.83 1 29 .02 FISD total a 31 0.06 1 26 .81 ADSL b 34 5.57 1 30 .03 HADS-D b 34 0.98 1 30 .33 HADS-A a 34 1.07 1 29 .31 WHOQoL-Physical a 34 1.65 1 29 .21

Note. ^a all covariates included as assumptions were met, ^b education excluded as a covariate, ^c sex excluded as a covariate, ^d age excluded as a covariate. Significant results are highlighted in bold.

Table 3. Results of the pre-post comparisons in all patients before and after completing the three-month tablet-based training.

Domain	Subtest	t	df	P	d	$M \pm SD$ (BL)	$M \pm SD$ (FU)
Attention	Digit span forward	-3.22	30	.003	-0.58	7.19 ± 1.66	8.26 ± 1.86
	Digit span backward	-3.00	30	.005	-0.54	5.06 ± 1.93	6.26 ± 2.34
	TMT-A [time]	3.56	30	.001	0.64	31.75 ± 10.55	26.15 ± 10.26
Executive	Planning	-1.22	30	.23	-0.22	8.42 ± 2.64	9.13 ± 2.16
function	Categories	-6.64	30	<.001	-1.19	30.00 ± 8.99	38.71 ± 9.92
Tunction	TMT-B [time]	4.07	30	<.001	0.73	63.25 ± 18.12	52.71 ± 17.20
Memory	Immediate recall (A)	1.23	30	.23	0.22	29.69 ± 4.21	28.90 ± 4.42
	Immediate recall (B)	-2.98	30	.006	-0.54	6.03 ± 2.04	7.42 ± 2.05
	Short-delayed recall	1.25	30	.06	0.36	10.52 ± 1.96	9.90 ± 2.14
	Long-delayed recall	0.68	30	.50	0.12	10.42 ± 2.26	10.16 ± 2.15
Word fluency	Formal-lexical	1.16	30	.26	0.21	22.13 ± 1.22	20.13 ± 1.43
	Semantic	-1.56	30	.13	-0.28	30.26 ± 11.26	34.45 ± 7.69
Global	MoCA	-1.48	30	.15	-0.27	28.26 ± 1.55	28.74 ± 1.24
cognition	MoCA memory index	-1.68	30	.10	-0.30	12.97 ± 1.74	13.58 ± 1.88
SCC	FSKB [QPC]	4.61	30	<.001	0.83	5.42 ± 2.23	3.55 ± 2.34
Fatigue	FISD total	2.61	27	.02	0.49	67.96 ± 29.40	56.29 ± 31.98
Depression	ADSL	7.69	30	.001	0.63	16.81 ± 9.90	11.94 ± 8.91
	HADS-D	2.39	30	.02	0.43	5.71 ± 4.74	4.19 ± 3.35
Anxiety	HADS-A	2.47	30	.02	0.44	4.90 ± 3.28	4.00 ± 2.92
Quality of life	WHOQoL-Physical	-2.94	30	.006	-0.53	24.84 ± 5.51	26.84 ± 5.44
	WHOQoL-Psychological	-2.77	30	.01	-0.50	22.65 ± 3.56	23.71 ± 3.84

Note. SCC = Subjective cognitive complaints. Significant results (pre-post changes) are highlighted in bold.

Adverse events

There were no adverse events associated with this study.